

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	58	"5166758"	US-PGPUB	OR	OFF	2006/03/29 10:30
L2	57	"5166758" and phase	US-PGPUB	OR	OFF	2006/03/29 10:30
L3	104	"5166758" and (phase-change phase adj change) adj material	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L4	9	((("6225142") or ("6189582") or ("5914893") or ("5933365") or ("6316784") or ("4203123") or ("6605821") or ("6867425") or ("20040178403")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L5	3	((("6225142") or ("6189582") or ("6867425")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L6	1	"633874".ap. and (substrate plane planar flat)	US-PGPUB	OR	OFF	2006/03/29 10:30
L7	3	L5 and (substrate plane planar flat)	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L8	3	L5 and (substrate plane planar flat electrode phase adj change adj material)	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L9	1	L5 and (substrate plane planar flat) and electrode and phase adj change adj material	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L10	1	L5 and phase adj change adj material	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L11	2	L5 and (substrate plane planar flat) and electrode and phase adj change	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L12	3	L5 and (substrate plane planar flat) and electrode	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L13	2	L5 and (substrate plane planar flat) and electrode and phase	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L14	1	L12 not L13	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L15	205	chalcogenide with memory and trench	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L16	3	((("6225142") or ("6189582") or ("6867425")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L17	3	L16 and trench and electrode	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L18	157	chalcogenide with memory and trench AND @PD>"20021031"	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30

## EAST Search History

L19	126	L18 AND ELECTRODE	US-PGPUB; USPAT	OR	ON	2006/03/29 10:30
L20	2128	((257/2,3,4,5,310,311,484) or (365/105)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L21	1385	((257/2,3,4,5,310,311,484) or (365/105)).CCLS. and (trench via hole depression)	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L22	183	((257/2,3,4,5,310,311,484) or (365/105)).CCLS. and (trench via hole depression) and chalcogenide	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L23	12	"4181913"	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L24	3	"4181913" and chalcogenide	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L25	5	"4181913" and PHASE	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L26	22	Tsukada and chalcogenide	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L27	417	"3,271,591" "3,611,063" "3,343,034" "3,619,732" "3,571,669" "3,656,032" "3,571,670" "3,846,767" "3,571,671" "3,875,566" "3,571,672" "3,886,577" "3,588,638" "3,980,505"	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L28	56	L27 and trench	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L29	7	"276273".ap.	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L30	8	((("6031287") or ("6307264") or ("6064084") or ("6258707") or ("6423621") or ("5414271") or ("5687112") or ("5714768"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L31	521	(257/2,3,4,5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L32	8	"3440588"	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L33	15	"6087689"	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L34	3676908	forming	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30

## EAST Search History

L35	75667	forming with electrodes	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L36	423	L35 and chalcogenide	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L37	1967	forming with electrodes with (simultaneous simultaneously)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L38	3	L37 and chalcogenide	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L39	403	L37 and memory	US-PGPUB; USPAT	OR	OFF	2006/03/29 10:30
L40	9	forming with (multiple near4 electrodes) with (simultaneous simultaneously)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L41	108	forming with (TWO near4 electrodes) with (simultaneous simultaneously)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L42	57656	(forming FORMED MAKING MADE PATTERNING PATTERNED) NEAR (simultaneous simultaneously)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L43	2909	L42 WITH ELECTRODES	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L44	29	HEON NEAR2 CHANG	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L45	8	HEON WITH YONG WITH CHANG	US-PGPUB; USPAT; EPO; IBM_TDB	OR	OFF	2006/03/29 10:30

## EAST Search History

L46	118	PHASE-CHANGE WITH MEMORY AND LOWREY	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L47	1	PHASE-CHANGE WITH TRENCH AND LOWREY	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L48	46	PHASE-CHANGE AND LOWREY AND TRENCH	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:30
L49	98	(PHASE-CHANGE OR MEMORY ADJ MATERIAL OR CHALCOGENIDE) AND LOWREY AND TRENCH	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:30
L50	10	((("5,296,716") or ("5,414,271") or ("5,359,205") or ("5,534,712") or ("5,341,328") or ("5,406,509") or ("5,534,711") or ("5,536,947") or ("5,687,112") or ("5,933,365"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L51	122	(PHASE-CHANGE OR MEMORY ADJ MATERIAL OR CHALCOGENIDE) AND ENERGY ADJ CONVERSION AND TRENCH	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:30
L52	1	("6031287").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 10:30
L53	1	L52 and electrode	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L54	70	"6031287" and electrode	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:30
L55	69	"6031287" and electrode	US-PGPUB; USPAT; EPO; IBM_TDB	OR	OFF	2006/03/29 10:30